

Miscellaneous Notes on the East-Asiatic Pteridophytes with special reference to the Japanese Species (III)

By

Motozi TAGAWA

田川基二：東亞羊齒植物雜考（其三）

21. *Peranema cyatheoides* DON, Prod. Fl. Nepal. 12 (1825); CLARKE in Tr. Linn. Soc. II. Bot. 1: 435 (1880); BEDD., Ferns South. Ind. 25. t. 73 (1863); Handb. 22(1883); CHRIST, Farnkr. 286 (1897); DIELS in ENGL. & PRANTL, Nat. Pflanzenfam. I-4. 160 (1899).

Sphaeropteris barbata WALL., List n. 183 (1828), nom. nud.; Pl. Asiat. Rar. 1: 42. t. 52 (1830); HOOK., Sp. Fil. 1: 58 (1844); HOOK. & BAK., Syn. Fil. 49 (1866).

Peranema formosana HAYATA in Bot. Mag. Tokyo 26: 110 (1912); Ic. Pl. Formos. 5: 305 (1915); MAKINO & NEMOTO, Fl. Jap. 1640 (1925).

Nom. Jap. Hego-modoki.

Hab. Formosa: Arisan, in silvis 2500 m., Prov. Tainan (U. FAURIE! No. 527. June 1914); inter Numanohira et Tataka (Mt. Arisan), Prov. Tainan (M. TAGAWA! No. 369. Aug. 15, 1934); Kodama-yama, Arisan, Prov. Tainan (M. TAGAWA! No. 570. Aug. 21, 1934); Mt. Daibu, Prov. Takao (J. OHWI! Nos. 1765, 1766, 1786, 1804. May 10, 1933); Mt. Kiraisyu, Asahi, Prov. Kwarenkô (Y. SIMADA! No. 2830 C. Oct. 1918); inter Sekigahara et Gôkwan, Prov. Kwarenkô (M. TAGAWA! No. 829. Sept. 10, 1934).

Distr. Himalaya; India austr.; China: Szechuan; Formosa.

The Formosan plants agree well with WALLICH's description and figures. In Formosa this is rather common in coniferous forests of high mountain regions.

22. *Dryopteris* (Eudryopteris) *laurisilvicola* T. SUZUKI in Journ. Jap. Bot. 11: 646 (Sept. 25, 1935).

Dryopteris taitoensis TAGAWA in Acta Phytotax. Geobot. **4** : 134 (Oct. 1, 1935).

Nom. Jap. Taitô-benisida, Ôbosi-sida.

Hab. Formosa : near Agyoku, Prov. Taihoku (T. SUZUKI! No. 11671. Aug. 10, 1934. Type in Herb. Taihoku Imp. Univ.); inter Kiriya et Tippon-zan, Prov. Taitô (M. TAGAWA! No. 1094. Oct. 4, 1934. Type of *Dryopteris taitoensis* TAGAWA, preserved in Herb. Kyôto Imp. Univ.).

Dryopteris taitoensis TAGAWA differs from *D. laurissilvicola* T. SUZUKI only in somewhat larger size and deeply pinnatifid pinnules, representing a well developed form of the species. Young sorus of this species is imperfectly covered with small indusium which is reniform and pilose on margin.

23. ***Thelypteris Phegopteris* (L.) SLOSSON** in RYLLER, Fl. Rocky Mts. 1043 (1917); CHING in Bull. Fan Mem. Inst. Biol. **6** : 277 (1936).

Polyponium Phegopteris LINN., Sp. Pl. **2** : 1089 (1753).

Dryopteris phegopteris C. CHR., Ind. Fil. 284 (1905).

Nom. Jap. Miyama-warabi.

Hab. Formosa : inter Niitaka-syuzan et Hattûkwan, Prov. Taityû (M. TAGAWA! No. 459. Aug. 17, 1934).

A new addition to the alpine flora of Formosa.

24. ***Thelypteris viridifrons* TAGAWA, sp. nov.**

Dryopteris viridifrons TAGAWA, mss.

Dryopteris elegans KOIDZ. var. *subtripinnata* TAGAWA in Acta Phytotax. Geobot. **2** : 193 (1933).

Dryopteris oligophlebia C. CHR. var. *subtripinnata* H. ITÔ in Bot. Mag. Tokyo **49** : 336 (1935).

Species pulcherrima *Th. oligophlebia* var. *elegans* CHING proxime affinis, differt : lamina tenuiter herbacea, viridiores, subtripinnata vel subquadripinnatifida, pinnis I ord. inferioribus longe petiolulatis, pinnis II ord. remotioribus quadrangulari-vel oblongo-lanceolatis, rachibus pinnarum II ord. anguste alatis, pinnis III ord. oblongis obtusis vel acutiusculis basi adnatis crenatolobatis vel profunde pinnatifidis, lobis oblongis apice rotundatis mar-

gine integris.

Nom. Jap. Midori-himewarabi.

Hab. Honsyû : prope Uzi, Prov. Yamasiro (M. TAGAWA ! No. 531. Oct. 29, 1932. Type in Herb. Kyôto Imp. Univ.); Ikadati-mura, Prov. Ômi (K. YAMAMOTO ! Oct. 23, 1932); Kamitu-mura, Prov. Settu (N. UI ! Sept. 2, 1933).

Terrestrial beautiful fern in shady forests.

Stipe up to 45 cm. long. Lamina 60–70 cm. long, 30–50 cm. broad, pinnules of lower pinnae up to 6 cm. long and 2.5 cm. broad, 3–4 cm. apart with each other.

This is very near to *Thelypteris nemoralis* CHING, from which it differs in much larger size and subtripinnate or subquadripinnatifid frond.

25. **Leptogramma omeiensis** (BAK.) TAGAWA, comb. nov.

Polypodium omeiensis BAK. in Journ. Bot. **13** : 229 (1875).

Nephrodium omeinsis DIELS in ENGL. & PRANTL, Nat. Pflanzenfam. I–4. 171 (1899).

Dryopteris omeiensis C. CHR., Ind. Fil. 280 (1905); in Acta Hort. Gothob. **1** : 53 (1924).

Thelypteris omeiensis CHING in Bull. Fan Memor. Inst. Biol. **6** : 283 (1936).

Dryopteris Léveillei CHRIST in Bull. Acad. Int. Géogr. Bot. **1909**, mém. XX. 176.

Dryopteris izuensis KODAMA in MATSUM., Ic. Pl. Koisikav. **2** : 7. t. 88 (1915); MAKINO & NEMOTO, Fl. Jap. 1615 (1925).

Leptogramma izuensis H. ITÔ in Bot. Mag. Tokyo **49** : 433 (1935).

Dryopteris pseudo-africana MAKINO & OGATA in Journ. Jap. Bot. **4** : 140 (1927); **5** : 18 (1928); OGATA, Ic. Fil. Jap. **1** : pl. 23 (1928).

Leptogramma Loveii (J. SM. err. det.) NAKAI in Bot. Mag. Tokyo **45** : 103 (1931).

Nom. Jap. Mizosida-modoki.

Hab. Honsyû : prope cascadas Yugasima, Prov. Izu (U. FAURIE ! No. 58. Oct. 1912); Zyôren-no-taki, Prov. Izu (K. HISAUTI ! Aug. 12, 1917); ibid. (Z. TASIRO ! Aug. 8, 1923).

Kyûsyû : Izumi, Prov. Satuma (Z. TASIRO ! Sept. 8, 1924); Ôkawatimura,

Prov. Satuma (Y. DOI ! No. 362. Nov. 1, 1930).

Formosa : between Rakuraku and Taikwan, Prov. Taityû (I. SIMOZAWA ! No. 824. Dec. 30, 1933).

Distr. China : Szechuan, Kweichow ; Formosa ; Japan : Izu, Satuma.

A new addition to the flora of Kyûsyû and Formosa.

26. **Athyrium arisanense** (HAYATA) TAGAWA in Acta Phytotax. Geobot. 2 : 195 (1933).

Diplazium arisanense HAYATA, Ic. Pl. Formos. 4 : 212. fig. 144 (1914) ; MAKINO & NEMOTO, Fl. Jap. 1601 (1925).

Asplenium sinense BAK. in Kew Bull. Inf. 1906 : 9 (1906).

Athyrium sinense (BAK.) C. CHR., Ind. Fil. Suppl. 15 (1913), non RUPR. (1845); in Bull. Dept. Biol. Coll. Sci. Sun Yatsen Univ. No. 6. 10 (1933).

Athyrium mengtzeense HIERON. in Hedwigia 59 : 319 (1918).

Nom. Jap. Arisan-warabi.

Hab. Formosa : Arisan in silvis 2500 m., Prov. Tainan (U. FAURIE ! No. 560. June 1914) ; ibid. (M. TATEWAKI ! March 26, 1912) ; inter Seraoka et Hituroku, Prov. Kwarenkô (M. TAGAWA ! No. 770. Sept. 9, 1934).

Distr. China : Yunnan, Kwangsi ; Formosa.

27. **Athyrium frangulum** TAGAWA, sp. nov.

Athyrium iseanum ROSENST. var. *fragile* TAGAWA in Acta Phytotax. Geobot. 2 : 15 (1933).

Species *Athyrii iseani* ROSENST. proxime affinis, differt : stipitibus rachibusque purpurascens vel viridibus, pinnulis oblongis, æquilateralibus, basi oblique cuneatis, segmentis confertioribus, textura fragili, soris paucis diplazioideis.

Nom. Jap. Miyako-inuwarabi.

Hab. Honsyû : Mt. Hiei-zan, Prov. Ômi (M. TAGAWA ! No. 430. Type in Herb. Kyôto Imp. Univ.).

Distr. Honsyû : Izu, Yamasiro, Ômi, Tanba, Kii ; Sikoku : Iyo ; Kyûsyû : Tikuzen, Tikugo, Higo, Hyûga.

A beautiful terrestrial fern in dark damp forests.

Rhizome erect. Fronds tufted, erect-patent. Stipes 10-20 cm. long, soft,

purplish or rarely greenish, slightly covered with lanceolate dark brown scales at the base, glabrous upwards. Lamina ovate or oblong-ovate, acuminate at the apex, 20–30 cm. long, 10–15 cm. broad, bipinnate, soft herbaceous in texture, rachis glabrous, purplish or rarely greenish. Pinnæ alternate, short-stalked, oblong-lanceolate, acuminate at the apex, 5–10 cm. long, 1.5–3 cm. broad, rhachillæ narrowly winged upwards, with long fleshy spines just below the base of the costæ of pinnules on upper surface. Pinnules oblong, 1–2 cm. long, 5–10 mm. broad, obtuse at the apex, obliquely cuneate at the base, sessile, somewhat adnate, deeply pinnatifid into oblong obtuse inciso-serrate lobes, costa and veins of pinnules above with long soft spines just below the base of the veins and the veinlets. Sori costal, most of them asplenioid, but few diplazioid or athyroid, indusium membranaceous, entire.

28. **Asplenium Oldhamii** HANCE in Ann. Soc. Nat. Hist. sér. 5. Bot. V. 256 (1861).

Asplenium Hancockii BAK. in Journ. Bot. **23** : 104 (1885), non MAXIM.

Asplenium formosanum BAK. in Ann. Bot. **5** : 305 (1891); HENRY, List Pl. Formos. 112 (1896); MATSUM., Ind. Pl. Jap. **1** : 290 (1904); MATSUM. & HAYATA in Journ. Coll. Sci. Imp. Univ. Tokyo **22** : 603 (1906) (Enum. Pl. Formos.); MAKINO & NEMOTO, Fl. Jap. 1580 (1925).

Nom. Jap. Taiwan-yabukuzyaku.

Hab. Formosa : Sinsya-syô, Tôsei-gun, Prov. Taityû (I. SIMOZAWA ! Jan. 8, 1928); inter Batakan et Tabito, Prov. Kwarenkô (M. TATEWAKI & S. KITAMURA ! March 15, 1932); ibid. (M. TAGAWA ! No. 703. Sept. 5, 1934); inter Miharasi et Seraoka, Prov. Kwarenkô (M. TAGAWA ! No. 756. Sept. 8, 1934); between Bôryô and Daizyurin, Prov. Takao (J. OHWI ! No. 270. March 31, 1933).

29. **Blechnum Fraseri** (A. CUNN.) LUERSS. var. **philippinense** (CHRIST) COPLEL., Polyp. Philipp. 90 (1905); v. A. v. R., Malayan Ferns 382 (1908); C. CHR. & HOLTUM in Gard. Bull. **7** : 284 (1934).

Lomaria Fraseri var. *philippinense* CHRIST in Bull. Herb. Boiss. **6** : 149. pl. 2 (1898).

Blechnum integripinnum HAYATA, Ic. Pl. Formos. **4**: 236. fig. 165 (1914); MAKINO & NEMOTO, Fl. Jap. 1592 (1925).

Diploblechnum integripinnum HAYATA in Bot. Mag. Tokyo **41**: 702 (1927).
Nom. Jap. Hôrai-sisigasira.

Hab. Formosa: between Daizyurin and Sinsuiei, Prov. Takao (M. OGATA! July 5, 1935).

Distr. Philippine; Borneo; Formosa.

Pinnules of Formosan plants are entire, undulate, crenate, or serrate on margin, and in lower pinnae or smaller fronds they are entire or nearly so. If so, *B. integripinnum* HAYATA differs from *B. Fraseri* var. *philippinense* COPPEL. in no respects. The smaller plant chanced to be selected as the type of *B. integripinnum* HAYATA.

30. *Colysis hemionitidea* (WALL.) PR., Epim. Bot. 147 (1849); CHING in Bull. Fan Memor. Inst. Biol. **4**: 320 (1933).

Polypodium hemionitideum WALL., List n. 284 (1828), nom. nud.; METT., Polypod. 112 (1857).

var. *ensato-sessilifrons* (HAYATA) TAGAWA, comb. nov.

Polypodium ensato-sessilifrons HAYATA, Ic. Pl. Formos **5**: 312. fig. 126 (1915); MAKINO & NEMOTO, Fl. Jap. 1644 (1925).

Microsorium ensato-sessilifrons H. ITÔ in Journ. Jap. Bot. **11**: 96 (1935).

Polypodium hemionitideum f. *sesilis* WU, WONG & PONG in Bull. Dept. Biol. Coll. Sci. Sun Yatsen Univ. No. 3. 284. pl. CXXXIII (1933).

Polypodium ensatum (THUNB. err. det.) CHRIST in Bull. Herb. Boiss. sér. 2. **4**: 611 (1904); MATSUM., Ind. Pl. Jap. **1**: 392 (1904): MATSUM. & HAYATA in Journ. Coll. Sci. Imp. Univ. Tokyo **22**: 632 (1906) (Enum. Pl. Formos.).

?*Polyponium hemionitideum* WALL.; CHRIST in WARB., Mons. **1**: 61 (1900); MATSUM., l.c. 334; MATSUM. & HAYATA, l.c. 631; MAKINO & NEMOTO, l.c. 1645.

?*Colysis hemionitidea* PR.; CHING, l.c., quoad pl. ex Formosa; H. ITÔ, l.c. 89.
Nom. Jap. Taiwan-kuriharan.

Hab. Formosa: in montibus Kusyaku, Prov. Taihoku (U. FAURIE! No. 613. Juuc 8, 1903. Identified by CHRIST with *P. ensatum* THUNB.); Agyoku, Bunzan-gun, Prov. Taihoku (J. OHWI! No. 690. Apr. 10, 1933); Mt. Daibu, Prov.

Takao (J. OHWI ! No. 1872. *May 10, 1934*) ; Kuarus, Prov. Takao (E. MATUDA ! *Jan. 1, 1917*).

Kyûsyû : Isl. Tane-ga-sima, Prov. Ôsumi (Y. NAKANO ! *Aug. 11, 1910*) ; Isl. Yaku-sima, Prov. Ôsumi (Y. DOI ! No. 85. *Aug. 12, 1928*).

Distr. South China; Formosa; Kyûsyû: Isl. Yaku-sima, Isl. Tane-ga-sima.

A new addition to the flora of Kyûsyû.

Polypodium ensato-sessilifrons HAYATA differs from *C. hemionitidea* PR. only in fronds decurrently elongated at the base on both sides of the stipe.

31. *Microsorium* (Eumicrosorium) *Ohwianum* TAGAWA, sp. nov.

Rhizoma longe repens, scandens, circ. 2.5 mm. in diametro, dense squamatum; squamis brunneis, membranaceis tenuissimis, ovatis vel late ovatis, apice longe acuminatis, basi peltatis subcordatis, margine irregulariter fimbriatis, supra insertionem pilis longiusculis instructis, maximis usque ad 5 mm. longis et 2 mm. basi latis. Frondes remotæ. Stipites exalati 5–10 cm. longi, straminei, glabri. Laminæ anguste lanceolatae, 20–30 cm. longæ, 2.5–3.5 cm. supra basin vel infram medium latæ, sursum gradatim attenuatæ, apice longe acuminatæ, basi acuminatæ ad stipites decurrentes, margine irregulariter undulatæ, chartaceæ, utrinque glabræ; costis infra valde elevatis, inferne squamis minutis ovato-lanceolatis longe acuminatis margine irregulariter fimbriatis parcissime instructis, supra leviter elevatis glabris; venis lateralibus infra prominentibus; venulis obscuris. Sori irregulariter dispersi, solitarii (rotundati) vel confluenti (oblongi), 1.5–2 mm. in diametro; sporis subeniforme-ellipsoideis, lævibus, citrinis.

Nom. Jap. Sin-nukabosiran, nom. nov.

Hab. Formosa : Mt. Daibu, Prov. Takao (J. OHWI ! No. 1774. *May 10, 1933*. Type in Herb. Kyôto Imp. Univ.): between Sekizan and Tâtaka, Arian. Prov. Tainan (M. TATEWAKI ! *March 23, 1832*).

This is a species with the similar appearance with *M. superficiale* CHING and *M. Buergerianum* CHING. Our plant can be, however, distinguished from the former by the slightly thinner lamina and by the nature of the scales on the rhizome, which are broadly ovate-lanceolate, long acuminate, irregularly fimbriate on the margin, and bear a tuft of long brown hairs on the back. It

is also separable from the latter by the much larger scales on the rhizome, which are thinner in texture, paler in colour, and irregularly fimbriate on the margin, and by the slightly firmer lamina which decurrent into a long un-winged stipe towards the base, and does not turn obscurely blackish when dried.

32. **Saxiglossum Sasakii** (HAYATA) TAGAWA, comb. nov.

Cyclophorus Sasakii HAYATA, Ic. Pl. Formos. **6** : 158 (1916); MAKINO & NEMOTO, Fl. Jap. 1596 (1925); OGATA, Ic. Fil. Jap. **4**, pl. 158 (1931).

Saxiglossum tenoides CHING in Contr. Inst. Bot. Nat. Acad. Peiping **2** : 2 (1933), pro parte.

Nom. Jap. Hitotuba-nokisinobu.

Hab. Formosa : Takonan, Tikutô-gun, Prov. Sintiku (Y. SIMADA! No. 4930 B. July 7, 1928); Siyakarô, Tikutô-gun, Prov. Sintiku (I. SIMOZAWA! July 9, 1934).

Distr. Endemic in Formosa.

Saxiglossum Sasakii TAGAWA is closely related to *S. tenoides* CHING, but differs from it in outline of cross section of frond. OGATA's figures (figs. 19-20) representing the cross sections of a soriferous frond are correct. In all materials of *S. Sasakii* TAGAWA examined by me, I could not observe the peculiar inward outgrowth of the margin in the shape of a flap as shown in CHING's figures (CHING, l. c. figs. 3-4).

21. 臺灣ノ深山ニハ稀デナイ へごもどきハ ヒマラヤ、印度、支那西南部ニアル **Peranema cyatheoides** DON ト同種デアル。早田氏ハ HOOKER ヤ BEDDOME ノ記載カラ判斷シテ新種トシ、*P. formosana* HAYATA ト命名セラレタノデアラウガ、WALLICH ノ圖ヤ記載ニハヨク一致スルモノデアル。フィリッピンノ *P. luzonica* COPEL. モ恐ラクハ同種デアラウ。

22. おほぼししだ *Dryopteris laurisilvicola* SUZUKI トたいとうべにしだ *D. taitoensis* TAGAWA トハ同種デアルカラ、學名ハ6日早ク發表セラレタ **D. laurisilvicola** SUZUKI ガ有効デアリ、おほぼししだト云フ和名ハスデニ他ノ種類ニツイテキルカラたいとうべにしだヲ採用ショウ。本種ノ包膜ハ脱落シヤスイ

ケレドセ決シテ無イノデハナイ。

23. **みやまわらび** *Thelypteris Phlegopteris* (L.) SLOSSON ハ臺灣ニモアル。私ハコレヲ新高山ノ頂上附近デ採集シタ。本種ハ頗ル分布ノ廣イモノデ北半球ノ寒帶ヤ溫帶ニハドコニデモアル。

24. **みどりひめわらび** ハ **ひめわらび** *Thelypteris oligophlebia* (BAK.) CHING var. *elegans* (KOIDZ.) CHING カラ分ケテ別種ニシタ方ガヨイト考ヘラレルカラ學名ヲ *Thelypteris viridifrons* (TAGAWA) TAGAWA ト改メタ。

25. **みぞしだもどき** ハ伊豆ノ淨蓮瀧ト薩摩ノ出石町附近及ビ大川河村トニアルコトハ知ラレテキタガ、下澤伊八郎氏ハ臺灣臺中州ノ奧地八通關道路ニ沿フ對關ト樂樂トノ間デ採集セラレタカラ、彼ノ地ニマデ分布シテキルコトガワカッタ。秦仁昌氏ハコレヲ支那ノ四川ヤ貴州ニアル *Thelypteris omeinsis* (BAK.) CHING ト同種ニシテキル。私モ同様ニ考ヘルガ、ひめしだ屬 *Thelypteris* デハナクテみぞしだ屬 *Leptogramma* ニ入レル方ガヨイカラ學名ヲ *Leptogramma omeiensis* (BAK.) TAGAWA ト改メタ。

26. **ありさんわらび** ハ臺灣ノミナラダ支那ノ雲南ヤ廣西ニモアル。本種ハひろはいぬわらび *Athyrium Wardii* (HOOK.) MAKINO ニ近イ種類デしけしだ屬 *Diplazium* ニ入レルノモ一理ハアルガめしだ屬 *Athyrium* ニ入レル方ガヨイ。一番古イ學名ハ *Asplenium sinense* BAK. (1901)、次ガ *Diplazium arisanense* HAYATA (1914)、ソノ次ガ *Athyrium mengtzeense* HIERON. デアルガ、命名規約上早田氏ノ種名ヲ *Athyrium* ニ移シタ *Athyrium arisanense* (HAYATA) ガ有効デアル。

27. **みやこいぬわらび** ハ獨立ノ種ニシテほそばいぬわらび *Athyrium iseanum* ROSENST. カラ區別シタ方ガヨイ。ソレ故ニ學名ヲ *Athyrium frangulum* TAGAWA ト改メタ。

28. *Asplenium Oldhamii* HANCE ト *A. formosanum* BAK. トハ同種デアル。和名ハたいわんやぶくじやく。臺灣特産ノ種類デ低地ノ山地ニハ珍クナイ。

29. **ほうらいししがしら** ノ小羽片ハ全邊、波縁、鈍鋸齒縁、鋸齒縁等々ニ變化シ、下部ノ羽片ヤ小イ葉デハ全縁ノコトガ多イ。サウスレバ フィリッピン ノ *Blechnum Fraseri* (A. CUNN.) LUERSS. **philippinense** (CHRIST) COPEL. ト何ノ異ルトコロモナイ。偶々小イ個體ガほうらいししがしらノ原標本ニナツタマデノコトデアル。

30. **たいわんくりはらん** ハ *Colysis hemionitidea* (WALL.) PR. ニ較ベテ葉身ガ葉柄ニ流レテ殆ドソノ基部マデ翼ガアル外何ノ差モナイカラ、變種ニシテ學

名ヲ *Colysis hemionitidea* Pr. var. *ensato-sessilifrons* (HAYATA) TAGAWA ト改メタ。屋久島、種子島ニモアリ、支那ノ廣西省ニモアル。外觀ハくりはらん *Microsorium ensatum* (THUNB.) H. Itô ニヨク似テキルガ、若い囊堆ハ楕狀ノ鱗片ニ被ハレテヲラズ、囊堆ハ主側脈ノ間ニ一列ニ並び、連結シテ主側脈ニ平行ナ線形ノモノニナル傾向ガアルカラ區別スルコトハ容易デアル。

31. しんぬかぼしらん（新稱）*Microsorium Ohwianum* TAGAWA ハぬかぼしだ *Microsorium Buergerianum* (MIQ.) CHING ニヨク似テキルガ、葉ハ質ヤヤ硬ク、腊葉ニシテモ黑色ニ變ゼズ、葉柄ハ無翼ノ部分ガ長ク、根莖上ノ鱗片ハ質薄ク、色薄ク、大キナモノハ長サ 5 mm. 幅 2 mm. バカリモアリ、邊緣ニハ不規則ナ突起ガアル。又 *Microsorium superficiale* (BL.) CHING ニモ似テキルガ、葉ハ質薄ク、根莖上ノ鱗片ハ廣卵狀披針形、鋭尖頭、邊緣ニハ不規則ナ突起ガアリ、附着點ノ表面ニハ褐色ノ長毛ガ數本生エテキル。大井次三郎氏ガ臺灣ノ大武山デ、又館脇操氏ガ阿里山デ發見セラレタモノデアル。

32. 臺灣ノひとつばのきしのぶハ支那ノ *Saxiglossum tenoides* (C. CHR.) CHING ト共ニ網目隙ニ遊離小脈ガナク、且ツ囊堆ハ中肋ニ平行ナ線形ノ囊堆ニ集合シテキルカラ、秦仁昌氏ノ設立シタ新屬 *Saxiglossum* ニ入レルノガヨイ。ソレ故ニ學名ヲ *Saxiglossum Sasakii* (HAYATA) TAGAWA ト改メタ。秦氏ハ臺灣ノモノヲ *S. tenoides* CHING ト同種ニシテキルガ、葉ノ横斷面ノ形ガ異ルカラ別種デアラウ。

雜 錄 Miscellaneous

○新 刊 紹 介

林學博士金平亮三氏著増補改正臺灣樹木誌（四六倍版、754 頁、挿圖 664、圖版 50、東京本都區森川町養賢堂發賣、定價 13 圓）

金平氏ハ林學畑ノ變リ種デアリ今ハ林學博士ト云フヨリ熱帶樹木類ノ權威者タル理學博士ト呼ビタイ人デアル。氏ノ研究ニ成ル數アル論文著書ノ中デモ茲ニ紹介セントスル本書ハ出色ノ大作デアル。氏ハ大正 6 年 3 月ニ始メテ臺灣樹木誌ノ初版ヲ出版シタガ其記載ハ不備デアツタシ挿圖ハ惡イシ吾人植物專攻者カラ見ルト矢張専門外ノ人ノ遊戲トヨリ思ヘナカツタガ氏ノ本質ハ其様ナ書デ満足スル様ナモノデハナイ。果然此増補改正臺灣樹木誌ナル根柢カラ内容ヲ異ニシタ大著ヲ成シ遂ゲタノデアル。

本書ノ内容ハ臺灣ニ自生スル 91 科 355 屬ニ屬スル 892 種ノ樹木類ヲ解説シタモノデアツテ今日迄諸學者ノ研究デ判明シタ臺灣全島ニ自生スル木本植物ノ約半數ニ達スル主要林木ノ解説デアル。科、屬、種ノ排列ハ ENGLER 式ニ從ヒ木本羊齒類ヨリ始メ裸子植物、單子葉